

# Static DHCP Configuration on RV215W

## Objective

Dynamic Host Configuration Protocol (DHCP) is a network protocol that enables a server to automatically assign an IP address to a computer when that computer connects to the network. DHCP is used to prevent address conflict errors caused by multiple clients sharing the same IP address. Static DHCP is a feature that is used to make the DHCP server always assign the same static IP to a unique MAC address.

This article explains how to configure static DHCP on the RV215W.

## Applicable Devices

- RV215W

## Software Version

- 1.1.0.5

## Static DHCP Configuration

Step 1. Log in to the web configuration utility and choose **Networking > LAN > Static DHCP**. The *Static DHCP* page opens:

Static DHCP

VLAN: 1

You must save before you can edit or delete.

<input type="checkbox"/>	Description	IP Address	MAC Address
<input type="checkbox"/>	Research-PC	192.168.1.150	c860000c15c0

Add Row Edit Delete

Save Cancel

Step 2. From the VLAN drop-down list choose the VLAN that the client is associated with.

Step 3. Click **Add Row** to add a new static DHCP client.

Step 4. Enter a description of the client in the Description field.

Step 5. Enter the IP address that will be assigned to defined MAC address in the IP Address field.

Step 6. Enter the MAC address of the client that is to receive a static IP address in the MAC Address field.

Step 7. Click **Save**.

## DHCP Leased Client

The *DHCP Leased Client* page is used to view what IP addresses have been leased out by the DHCP server. It can also be used to assign a static IP to a connected client that is in the table. The static IP that is to be assigned will be the current IP of the client. There is a separate table of leased clients for each configured VLAN.

Step 1. Log in to the web configuration utility and choose **Networking > LAN > DHCP Leased Client**. The *DHCP Leased Client* page opens:

**DHCP Leased Client**

VLAN1 DHCP Leased Client Table			
Host Name	IP Address	MAC Address	Add to Static DHCP
Cisco-PC	192.168.1.100	08-00-27-00-00-00	<input checked="" type="checkbox"/>

  

VLAN3 DHCP Leased Client Table			
Host Name	IP Address	MAC Address	Add to Static DHCP
No data to display			

Step 2. Check **Add to Static DHCP** of the client you want to give a static IP address.

Step 3. Click **Save**. The specified client is assigned the static IP address on the *Static DHCP* page.